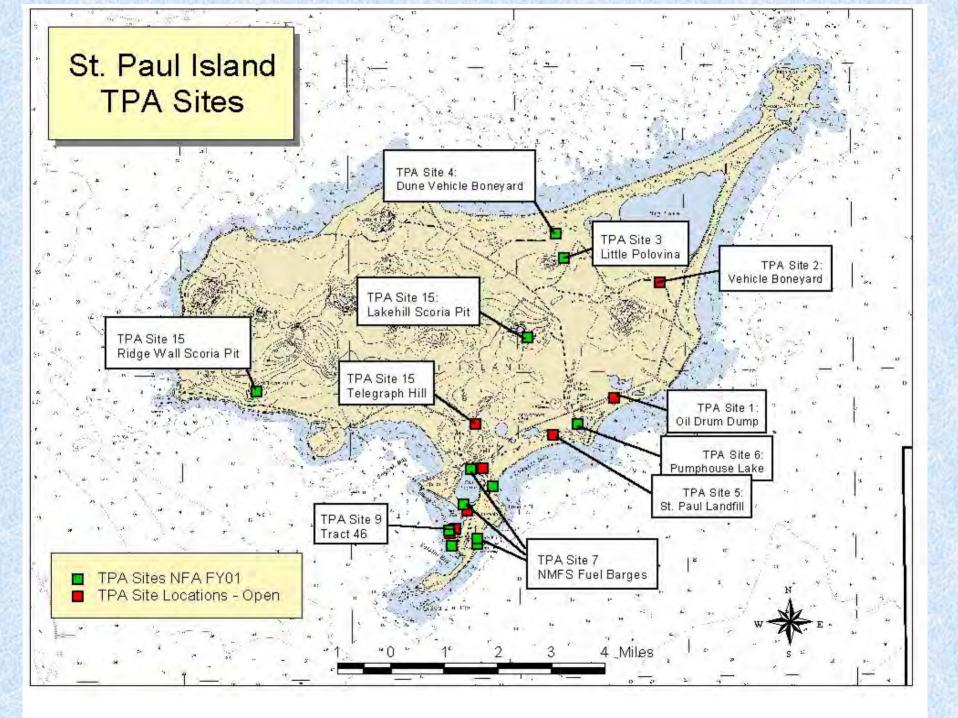
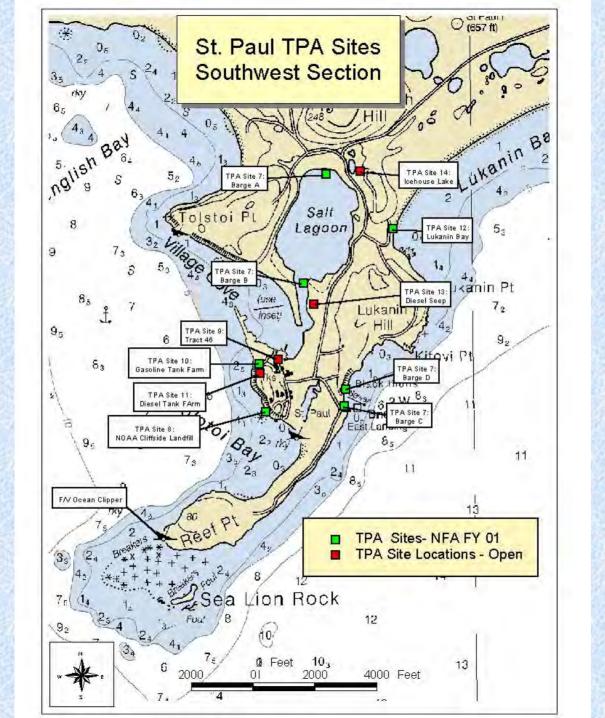
THE PRIBILOF ISLANDS ENVIRONMENTAL RESTORATION PROJECT

NATIONAL OCEAN SERVICE

OFFICE OF RESPONSE AND RESTORATION



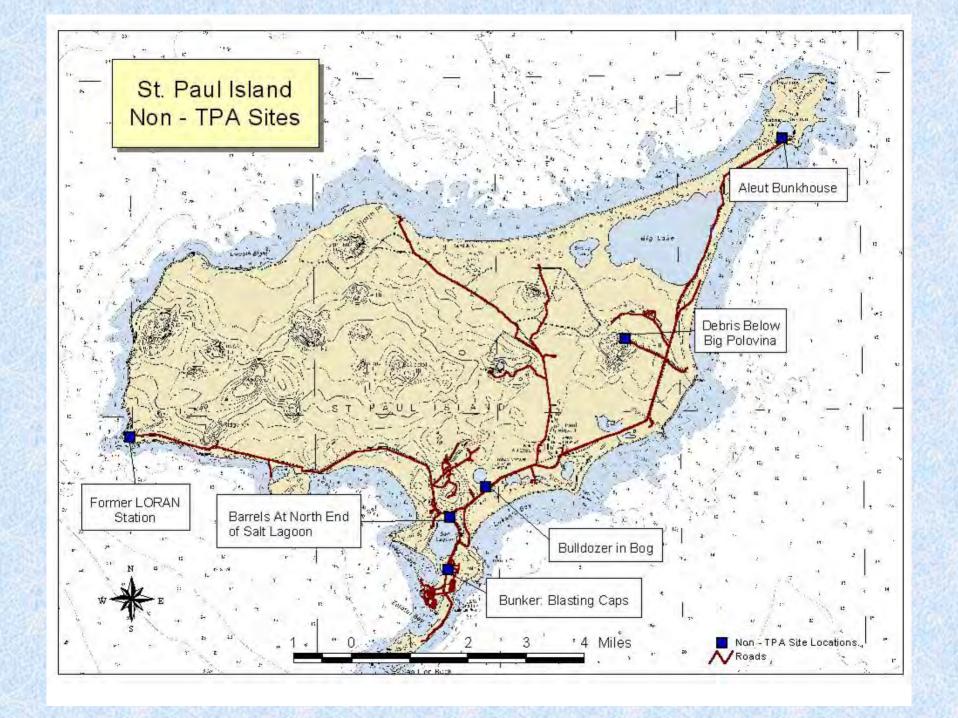


Island Project Status Report - St. Paul Island

Summary of FY00 Activities Island Map Village Map

TPA Site No	Site Name	FY00 Activity	Site Maps/Images	
NA	Geodetic Control	Reset Control Points Updated NOAA Charts USGS Topo Maps Aerial/Satellite Imagery	<u>Map</u>	
NA	Scoria Pits/Blubber Dump	Boundary Resurveys		
NA	Island-Wide Debris Removal	Approx. 750 Tons; plus wood debris		
NA	Barrel Removal Used Oil Treatment	Approx. 800 Barrels		
NA	Blubber Dump PCS	Treated 1500 yds ³		
NA	Island Stratigraphy	USGS Seismic Survey	<u>Map</u>	
1	Oil Drum Dump	Site Characterization	Well Field Map	
2	Vehicle Boneyard FUDS Disposal Site	Site Characterization	Well Field Map	
3	Little Polovina Boneyard	Site Closed/No Activity		

4	Dune Vehicle Boneyard	Debris Removal		
5	St. Paul Landfill (Cell C-Active Landfill)	Boundary Survey Site Characterization Test Pitting Fence Installation	Well Field Map	Island Map
	Cell A	Barrel Removal Actions Partial Closure		Village Map
	Cell B	Site Characterization		
6	Pumphouse Lake	Debris Removal/Restoration		
7	NMFS Fuel Barges	Debris Removal		
8	Cliffside Landfills	Debris Removal	Map Link	
9	Tract 46	Site Characterization Debris Cleanup Bldg. Demolition/Cleanup	Contaminant Plume	
10	Former Gas Tank Farm	Site Closed/No Activity		
11	Diesel Tank Farm	Site Characterization	Well Field Link	
12	Lukanin Bay Debris	Debris Removal/Restoration		
13	Salt Lagoon Diesel Seep	Site Characterization	Map Link	
14	Icehouse Lake	Site Characterization	Map Link	
15	Scoria Pits: Telegraph Hill	Site Characterization	Well Field Link	
	Lake Hill	No Activity		
	Ridgewall	No Activity		



NON-TPA SITES: ST. PAUL ISLAND FY00 ACTIVITIES

Non-TPA Sites Map

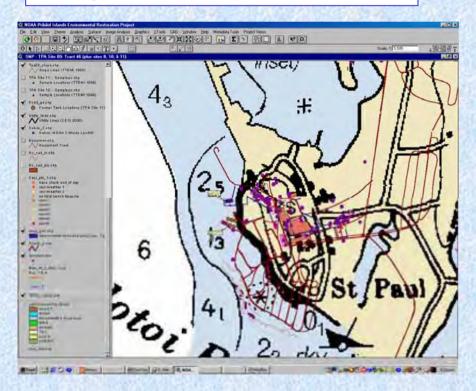
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Open	Open	Open	Request	<u>Picture</u>
Open	Open	Open	Request	
Open	Open	Open	Request	Map
Open	Open	Open	Request	<u>Picture</u>
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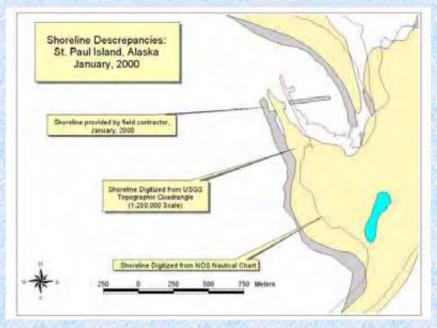
NOAA Pribilof Project Website

http://response.restoration.noaa.gov/pribilof

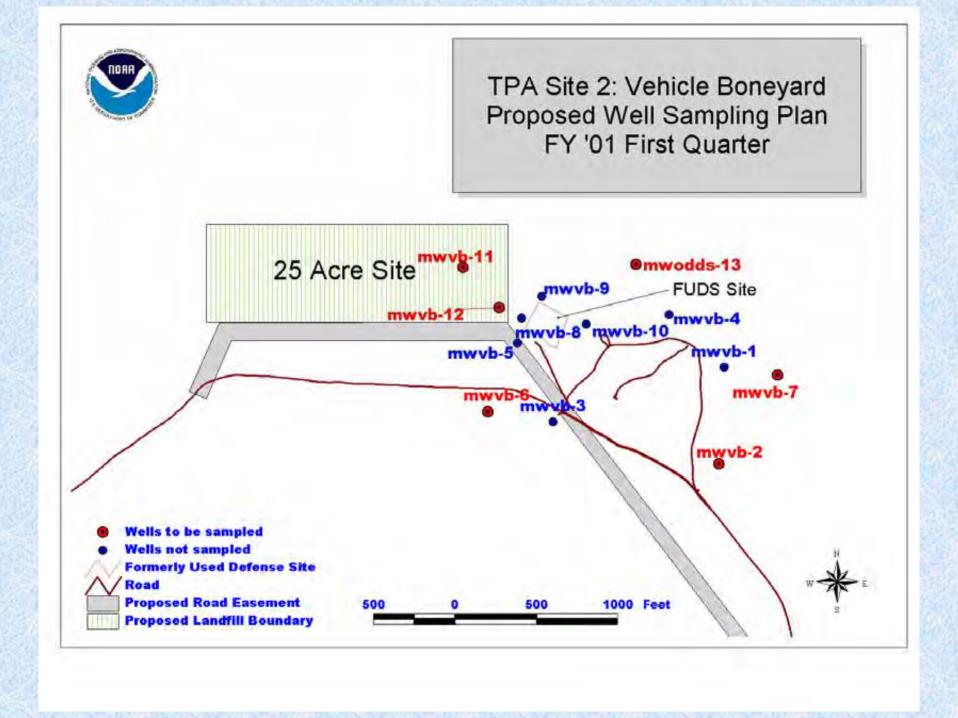
Geodetic Control Corrections

Using GPS and existing maps,
The project mapped sample locations
and other features. These points
plotted incorrectly on the NOS chart.
(See below: Points plotting in the
Bering Sea)





In March of 2000, the project located three new 1st class NGS benchmarks on each island. Previously, St. George Island had no benchmarks of sufficient quality and St. Paul had only one "B" order benchmark last surveyed in 1996.

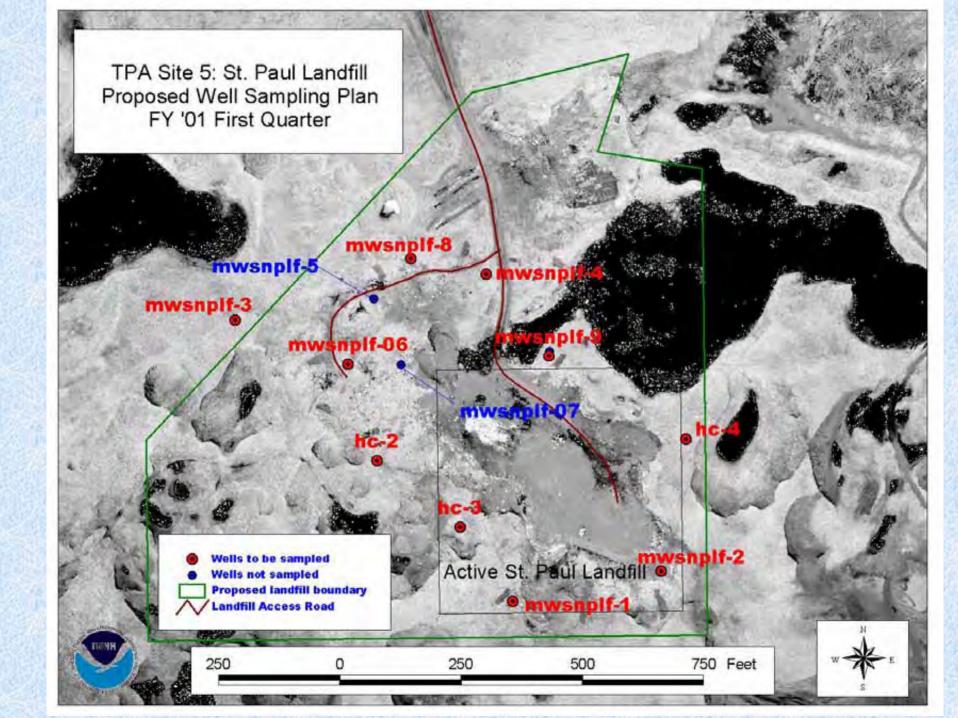


Former Aleut Bunkhouse Site



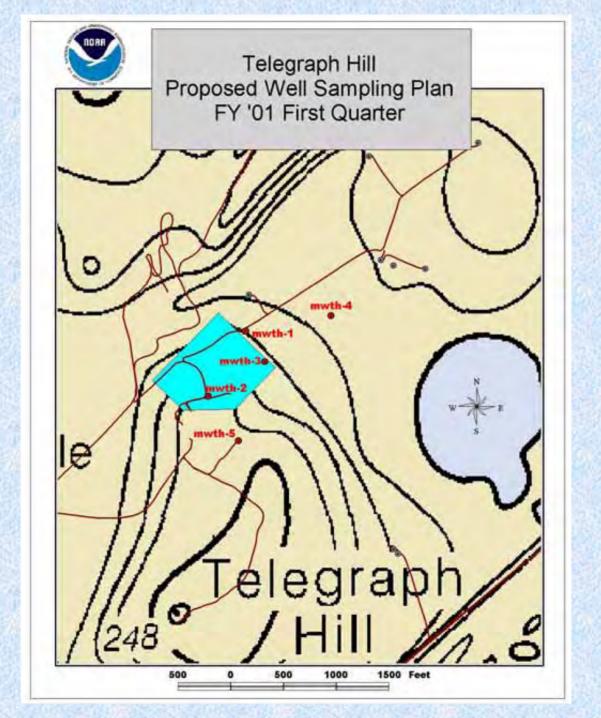
Bunkhouse Foundation











Former Aleut Bunkhouse Site



Bunkhouse Foundation









<u>Island Project Status Report - St. George Island</u> <u>Summary of FY00 Activities</u>

TPA Site No.	Site Name	FY 00 Activity	Site Maps/Images		
NA	PCS Stockpile	Treated 4500 yds ³ <u>ETC Results</u>	Harbor Pic ETC Unit		
NA	Geodetic Control	Reset Control Points Updated NOAA Charts USGS Topo Maps Satellite Imagery			
NA	Barrel and Battery Removal	Approx. 30 Barrels			
NA	Island Stratigraphy	USGS Seismic Survey			
1	Former Diesel Tank Farm	No Activity			
2	Former Drum Storage Area	No Activity			
3	Inactive Gas Station	No Activity			
4	Active Landfill	Test Pitting Groundwater Modeling Initiated Closure	Picture Map		

Island Map

Village Map



WOSP



St. George Site Status, continued

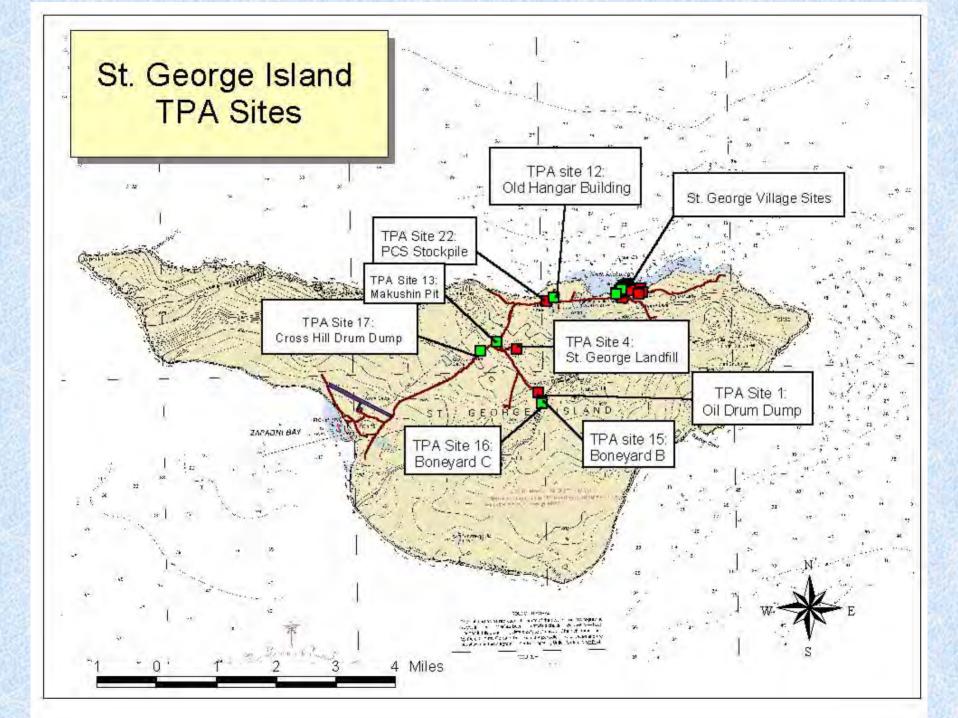
5	Ocean Dump Site	No Activity	
6	Open Pits Site	No Activity	A CONTRACTOR
7	Ballfield/Former Landfill	Reopened Site/No Activity	<u>Picture</u>
8	Active Power Plant	No Activity	
9	Old Power Plant	No Activity	
10	Former Drum/AST Storage Area	NFA 8/18/97	
11	Cottage C UST	No Activity	A CONTRACTOR
12	Former Hanger Bldg.	No Activity	
13	Makushin Pit	NFA 8/18/97	
14	Oil Drum Dump	No Activity	
15	Boneyard B	No Activity	<u>Picture</u>
16	Boneyard C	No Activity	
17	Cross-Hill Dump	NFA 8/18/97	
18	Former Fuel Storage Area	No Activity	
19	Old Carpenters Shop	No Activity	
20	Old Coal House	NFA 9/15/97	
21	Abandoned City Diesel Tank Disposal Site	No Activity	
22	UST Closure	No Activity	A CONTRACTOR
23	Abandoned Diesel Tank Farm	No Activity	
24	Inactive Gas Tank Farm	No Activity	
25	Port Fuel Supply Line	No Activity	
Pre-TPA	St. George Schoolyard/landfill	No Activity	The second second

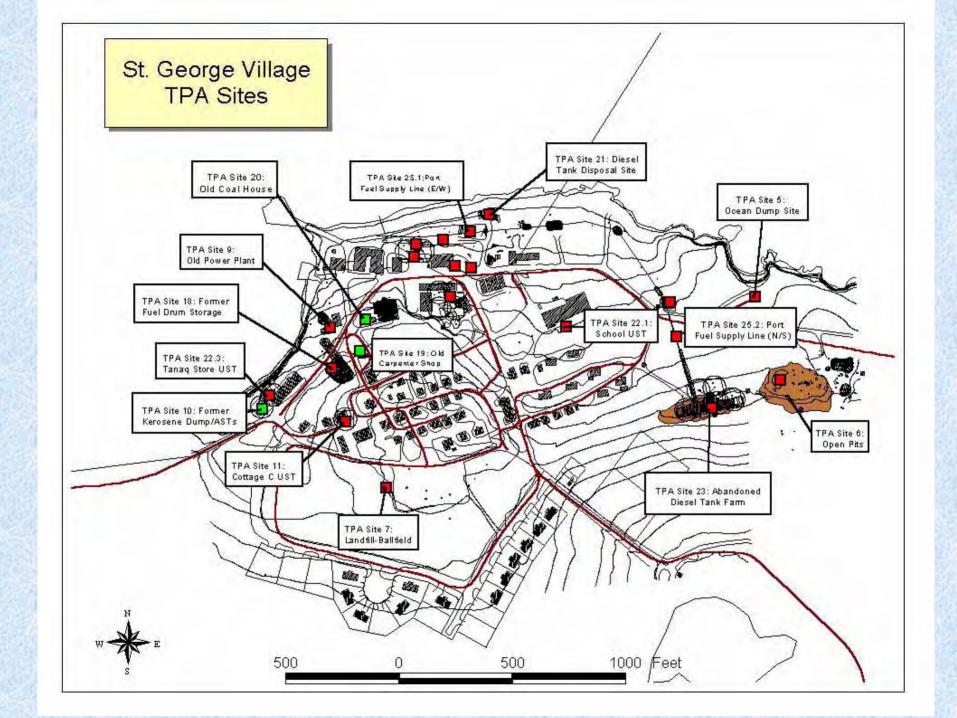
Island Map





NFA Request Sites





TPA SITES: STATUS & SCHEDULE ON ST. PAUL ISLAND

TPA Site No.	Site Name	Pre 4/99 NFA Status	FY00 Status	FY01 Activity (1) = Planned Activity (2) = Funding Dependent
1	Oil Drum Dump	Open	Open	FUDS overlap
2	Vehicle Boneyard	Open	Open	(1) Characterize Buried Debris
3	Little Polovina Boneyard	Open	NFA 3/3	Closed
4	Dune Vehicle Boneyard	Open	Open	NFA Request
5	St. Paul Landfill Cell C	Open	Open	(1) Closure Design
	Cell A	Open	Open	(1) Closure Design
7	Cell B	Open	Open	(1) Corrective Action
6	Pumphouse Lake	Open	Open	NFA Request
7	NMFS Fuel Barges	Open	Open	NFA Request
8	Cliffside Landfills	Open	Open	NFA Request
9	Tract 46	Open	Open	(1) Site Characterization (2) Initiate Corrective Action

TPA SITES: STATUS & SCHEDULE ON ST. PAUL ISLAND (Continued)

10	Former Gas Tank Farm	Open	NFA 2/24	Closed
11	Diesel Tank Farm	Open	Open	(2) Corrective Action
12	Lukanin Bay Debris	Open	Open	(1) Evaluation for NFA
13	Salt Lagoon Diesel Seep	NFA 11/2/95	Voluntary Reopen	(1) Upland Remedial Design (1) Lagoon Environmental Assessment
14	Icehouse Lake	Open	Open	(1)Site Characterization (2) Corrective Action
15	Scoria Pits			FUDS overlap
	Telegraph Hill	Open	Open	FUDS
	Lake Hill	Open	Open	NFA Request
	Ridgewall	Open	Open	FUDS
NA	PCS Treatment		i i i i	(1) ETC Upgrade; Treat 5000 yds ³
NA	Groundwater Well Monitoring			(1) TPA Sites: 2, 5, 9, 11, 15

Pre 4/99 NFA Status	FY 99 Status	FY00 Status	FYO1 Status	Link
Open	Open	Open	Closure Request	<u>Picture</u>
Open	Open	Open	Closure Request	
Open	Open	Open	Closure Request	Map
Open	Open	Open	Closure Request	<u>Picture</u>
Open	Open	Open	Closure Request	<u>Picture</u>
Open	Open	Open	Closure Request	
	Open Open Open Open Open	Status Open Open Open Open Open Open Open Open	StatusStatusOpenOpenOpenOpenOpenOpenOpenOpenOpenOpenOpenOpenOpenOpenOpenOpen	Status Status Open Open Open Closure Request Open Open Open Closure Request

FUDS: CLOSURE STATUS ON ST. PAUL ISLAND

TPA Site No.	Site Name	Pre 4/99 NFA Status	FY 99 Status	FY00 Status	FYO1 Status
1		Open			
2		Open			
3		Open		Received	
4		Open			Request
5		Open	1 1 1		
6	SYO S OF	Open			Request
7		Open			Request
8		Open			Request
9		Open			
10		Open		Received	Oct Villa
11		Open			
12		Open			Request
13		Closed		Reopened	
14		Open		Closed 3/3	Reopened
15		Open			

TPA SITES: STATUS and SCHEDULE ON ST. GEORGE ISLAND

TPA	Site Name	Pre 4/99	FY 00	FY01 Activity
Site No.		NFA Status	Status	(1) = Planned Activity (2) = Funding Dependent
NA	PCS Stockpile			(1) ETC Upgrade; Treat 5000 yds ³
1	Former Diesel Tank Farm	Open	Open	(1) Site Characterization
2	Former Drum Storage Area	Open	Open	(1) Site Characterization
3	Inactive Gas Station	Open	Open	(1) Site Characterization
4	Active Landfill	Open	Open	(1) Complete Cover
5	Ocean Dump Site	Open	Open	NFA Request
6	Open Pits Site	Open	Open	(2) Corrective Action
7	Ballfield/Former Landfill	NFA 9/15/97	Reopened 10/25	(1) Remedial Design (2) Corrective Action
8	Active Power Plant	Open	Open	(1) Site Characterization
9	Old Power Plant	Open	Open	(1) Site Characterization
10	Former Drum/AST Storage Area	NFA 8/18/97	Closed	Closed

TPA SITES: STATUS and SCHEDULE ON ST. GEORGE ISLAND (Continued)

11	Cottage C UST	Open	Open	(1) Site Characterization
12	Former Hanger Bldg.	Open	Open	NFA Request
13	Makushin Pit	NFA 8/18/97	Closed	Closed
14	Oil Drum Dump	Open	Open	(1) Site Characterization
15	Boneyard B	Open	Open	(1) Site Characterization
16	Boneyard C	Open	Open	NFA Request
17	Cross-Hill Dump	NFA 8/18/97	Closed	Closed
18	Former Fuel Storage Area	Open	Open	(1) Site Characterization
19	Old Carpenters Shop	Open	Open	NFA Request
20	Old Coal House	NFA 9/15/97	Closed	(1) Site Characterization
21	Abandoned City Diesel Tank Disposal Site	Open	Open	(1) Site Characterization
22	UST Closure	Open	Open	(1) Site Characterization
23	Abandoned Diesel Tank Farm	Open	Open	(1) Site Characterization
24	Inactive Gas Tank Farm	Open	Open	(1) Site Characterization
25	Port Fuel Supply Line	Open	Open	(1) Site Characterization

NON-TPA SITES: STATUS and SCHEDULE ON ST. GEORGE ISLAND

Pre-TPA	St. George Schoolyard/landfill	UST NFA 11/21/95	Open	(1)Remedial Design (2) Corrective
			Section 1	Action

FUDS: CLOSURE STATUS ON ST. GEORGE ISLAND

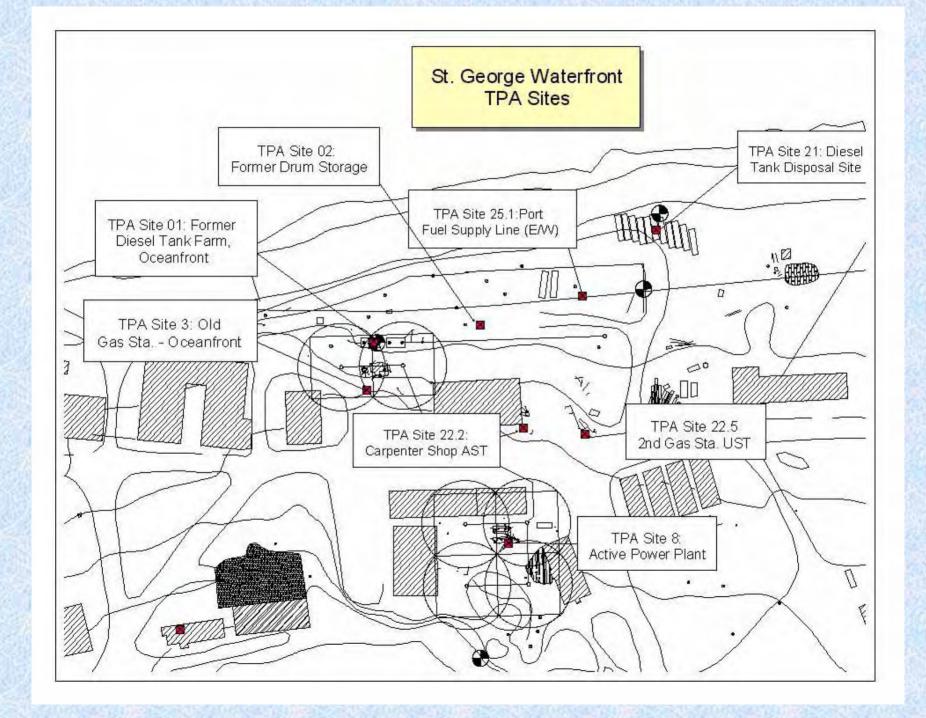
TPA Site No.	Site Name	Pre 4/99 NFA Status	FY 99 Status	FY00 Status	FYO1 Status
1		Open			
2		Open			
3		Open	W. Carlotte	Received	all Season
4		Open			Request
5		Open			
6		Open			Request
7		Open			Request
8		Open		202	Request
9		Open			
10		Open		Received	
11		Open			
12		Open			Request
13		Closed		Reopened	
14		Open		Closed 3/3	Reopened
15		Open			

ETC Treatment Results

St. George

Treatment No.	Cell No.	Start Date	End Date	Sample Date	Cubic Yards	Sample Results
1 1 2 7 2	1a	6/9/00	6/22/00	6/24/00	300	Bottom layer had DRO hits. Removed top layers and left bottom
2	2a	7/8/00	7/23/00	7/26/00	350	DRO on bottom(106,114) Run PAH's. They were good. Two benzene hits(.117, .0209) in middle and top layer. Retreated 1/6 th o
17 25 17 18 18 18 18 18 18	PEDPLACE LAND AND AND AND AND AND AND AND AND AND	7,75 3,75 50 50 50 50	THE RESERVE TO SERVE THE PERSON NAMED IN COLUMN TWO IN COL	17 (20) 17 (17) (17) (17)	DESCRIPTION OF THE PERSON OF T	cell.
3	1b	7/27/00	8/7/00	8/26/00	500	All samples good.
4	3a	8/10/00	8/22/00	8/26/00	440	One benzene hit (.0276). Retreated 1/8th of cell.
5	2b	8/31/00	9/12/00	9/13/00	440	One benzene hit (.0254). Retreated 1/8th of cell.
6	1c	9/14/00	9/26/00	09/28/00	500	All samples good.
7	3b	9/28/00	10/9/00	10/24/00	500	All samples good.
8	2c	10/10/00	10/24/00	10/24/00	440	Tw o Benzene hits (.0428 and .0316). Retreat 64 yards
9	1d	10/28/00	11/7/00		440	One benzene hit. Retreated 1/8th of cell.
10		11/22/00	12/8/00		440	One benzene hit. Retreated 1/8th of cell.
Total					4350	

		7.1		
Name	Recommended Action	Previous Investigations		ns
		Hart Crow ser	Woodw ard Clyde	Polarconsult
Former Hangar Building	NFA based on Polarconsult Report (1997)	MS TELL		X
Boneyard B	NFA based on Polarconsult Report (1997)	THE STATE OF		X
Boneyard C	NFA based on Polarconsult Report (2000)			X
Old Carpenter Shop	NFA based on Hart Crowser (1997) and USN (1999)	X		
Airport Hangar Aviation Gasoline UST	NFA based on Polarconsult Report (1997)	FALL HIGH	THE WAR TO THE	X
Second Inactive Gas Station (Oceanfront)	NFA based on Polarconsult Report (1997)			X
	Former Hangar Building Boneyard B Boneyard C Old Carpenter Shop Airport Hangar Aviation Gasoline UST	Former Hangar Building NFA based on Polarconsult Report (1997) Boneyard B NFA based on Polarconsult Report (1997) Boneyard C NFA based on Polarconsult Report (2000) NFA based on Polarconsult Report (2000) NFA based on Hart Crow ser (1997) and USN (1999) Airport Hangar Aviation Gasoline UST NFA based on Polarconsult Report (1997)	Former Hangar Building NFA based on Polarconsult Report (1997) Boneyard B NFA based on Polarconsult Report (1997) Boneyard C NFA based on Polarconsult Report (2000) NFA based on Polarconsult Report (2000) NFA based on Hart Crowser (1997) and USN (1999) X Airport Hangar Aviation Gasoline UST NFA based on Polarconsult Report (1997)	Former Hangar Building NFA based on Polarconsult Report (1997) Boneyard B NFA based on Polarconsult Report (1997) Boneyard C NFA based on Polarconsult Report (2000) NFA based on Polarconsult Report (2000) NFA based on Hart Crow ser (1997) and USN (1999) Airport Hangar Aviation Gasoline UST NFA based on Polarconsult Report (1997)



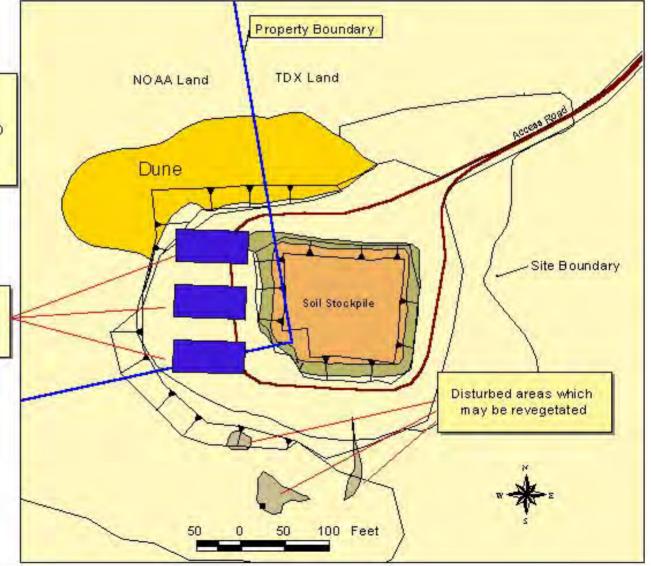




Blubber Dump Stockpile and Soil Treatment Area, St. Paul Island, AK

The Soil Stockpile contains approximately 14,000 tons of Petroleum Contaminated Soil (PCS) Each treatment cell can treat 550 - 700 tons at once.

Enhanced Thermal Conduction Soil Treatment Cells





Panoramic View of Tract 46 showing area of contamination



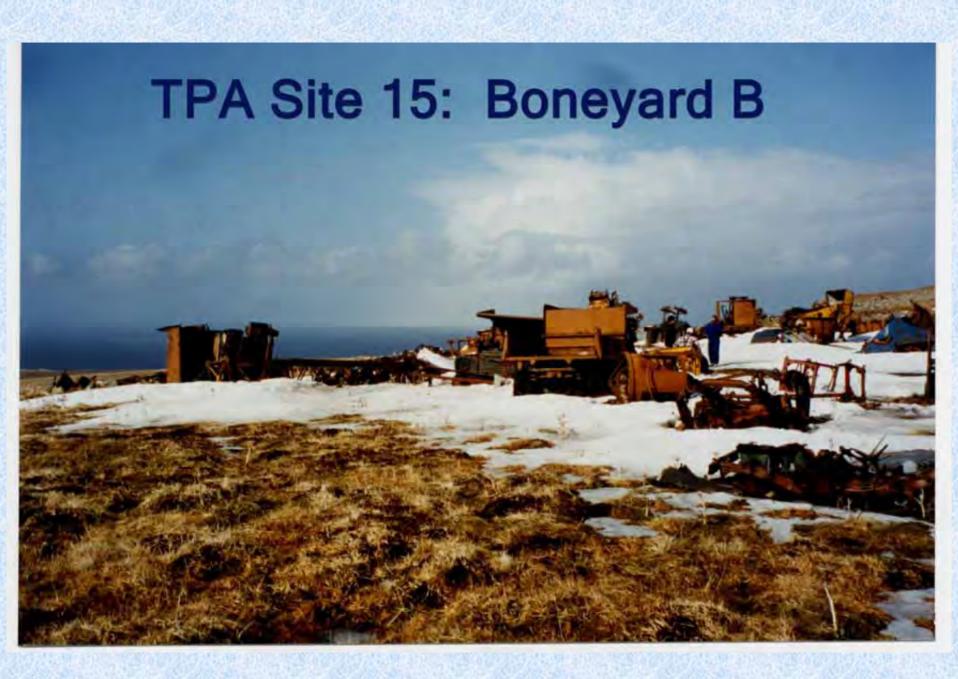
St. George Landfill



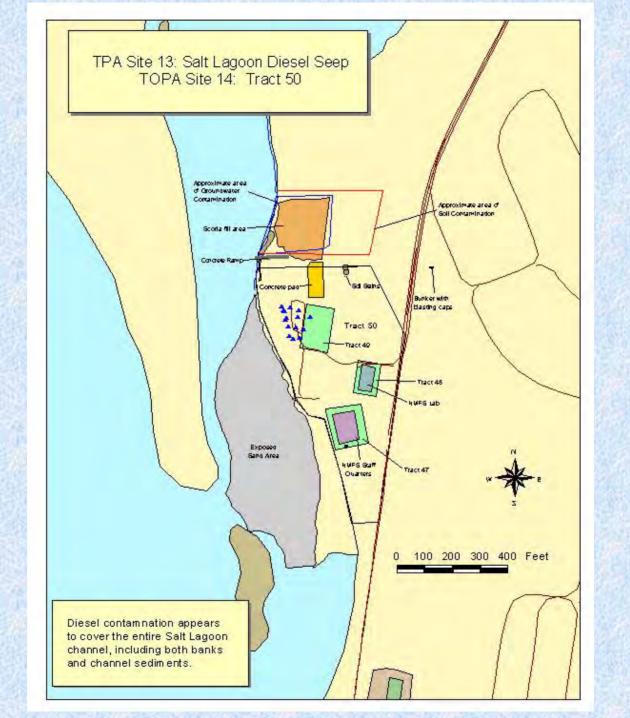












St. George Landfill













Enhanced Thermal Conduction Soil Treatment Unit: St. George Island



